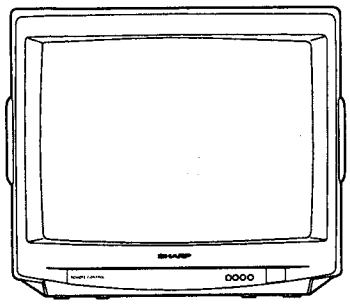
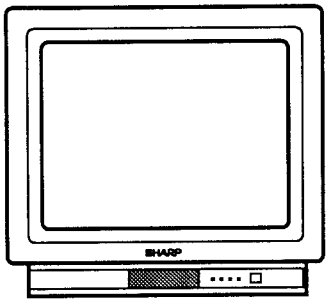
SHARP SERVICE MANUAL

SEGBDV51460FP



DV-5160FP



DV-5460FP

SECAM/PAL SYSTEM
COLOUR TELEVISION
4BSA Chassis

DV-5160FP
MODELS DV-5460FP

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

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SHARP CORPORATION

ELECTRICAL SPECIFICATIONS

Power Input ..... 220/240 V AC 50Hz
Power Consumption ..... 85 W (DV-5160FP)
86 W (DV-5460FP)

Audio Power Output Rating ..... 4 W (M.P.O)
Speaker ..... 10 cm Round
Voice Coil Impedance ..... 16 ohms

Convergence ..... Self Converging System
Focus ..... Bi-Potential Electrostatic
Sweep Deflection ..... Magnetic

Intermediate Frequencies
- Picture IF Frequency
  - B/G, L (VHF-H, UHF) ..... 38.9 MHz
  - L' (VHF-L) ..... 33.9 MHz
- Sound IF Carrier Frequency
  - B/G ..... 33.4 MHz
  - L (VHF-H, UHF) ..... 32.4 MHz
  - L' (VHF-L) ..... 40.4 MHz
- Colour Sub-Carrier Frequency
  - PAL (B/G, L) ..... 34.47 MHz
  - SECAM (B/G, L) ..... 34.65/34.49375 MHz
  - SECAM L' ..... 38.15/38.30625 MHz

Aerial Input Impedance
VHF/UHF ..... 75 ohm Unbalanced
Tuning Ranges ..... 48.25 MHz thru 855.25 MHz
CATV Special Channels

Specifications are subject to change without prior notice.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.
To prevent electric shock, do not remove cover. No user — serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

SERVICING OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10 k ohm Resistor in series with an insulated wire (such as a test probe) between picture tube ground tag and high voltage lead. (AC line cord should be disconnected from AC outlet.)

1. Picture tube in this receiver employs integral implosion protection.
2. Replace with tube of the same type number for continued safety.
3. Do not lift picture tube by the neck.
4. Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1. When repairing the circuit, be sure not to increase the high voltage to more than 27.5 kV, (at beam 0 μA) for the set.
2. To keep the set in a normal operation, be sure to make it function on 24.2 kV ± 1.5 kV (at beam 1100 μA) in the case of the set. The set has been factory — Adjusted to the above-mentioned high voltage.
   ∴ If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3. Do not substitute a picture tube with unauthorized types and/or brands which may cause excess X-ray radiation.

BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2. Inspect all protective devices such as non-metallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

RÉGLAGES

■ REGLAGE FI/CAG

1-1. RÉGLAGE DU VCO (Réglage estimatif)

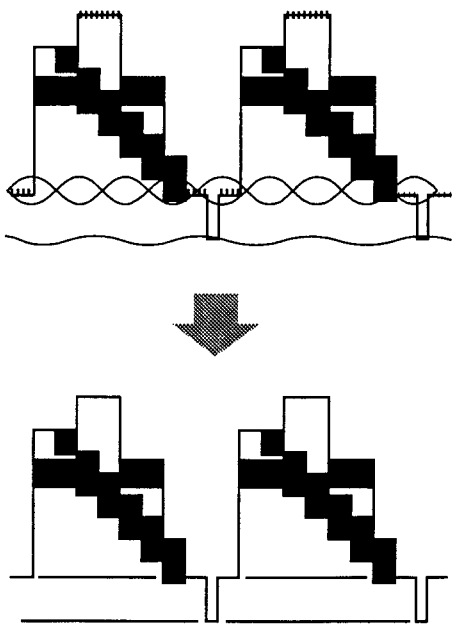
Point de réglage
☐ **T201: Bobine VCO**

1. Arrêter l'AFT (le TV est maintenant dans le mode accord fin).
2. Connecter un générateur de signal sur la sortie FI du tuner.
   • Signal: 38.9 MHz (CW) ± 5 KHz.
   • Amplitude du signal: Approx. 90 dB µV.
   • Sonde: Direct (1:1).
3. Connecter un oscilloscope ou un voltmètre digital à la broche 15 de IC201. Régler approximativement la bobine VCO pour obtenir une tension médiane de l'AFT de 2,5 Vc-c.

1-2. RÉGLAGE DU VCO (Réglage fin)

Point de réglage.
☐ **T201: Bobine VCO.**

1. Recevoir un canal VHF haut (F-10).
   • Signal: Supérieur à 55 dB µV, inférieur à 80 dB µV.
2. Connecter un générateur de signal sur la sortie FI du tuner au travers d'une capacitée de 1 pF.
   • Signal: 38.9 MHz (CW) ± 5 KHz.
   • Amplitude du signal: Approx. 90 dB µV.
3. Connecter un oscilloscope à la broche 7 de IC201.
   • Calibre: 0,5 V/cm.
   • Fréquence de balayage: 20 µsec/cm.
   • Type de synchronisation: Horizontale.
   • Sonde: 10:1.
4. Régler T201 de manière à éliminer le battement du signal de sortie.
   • Réglage: 38.9 MHz ± 25 KHz.



Finalement régler pour annuler le battement.

1-3. RÉGLAGE DU VCO (Réglage estimatif)

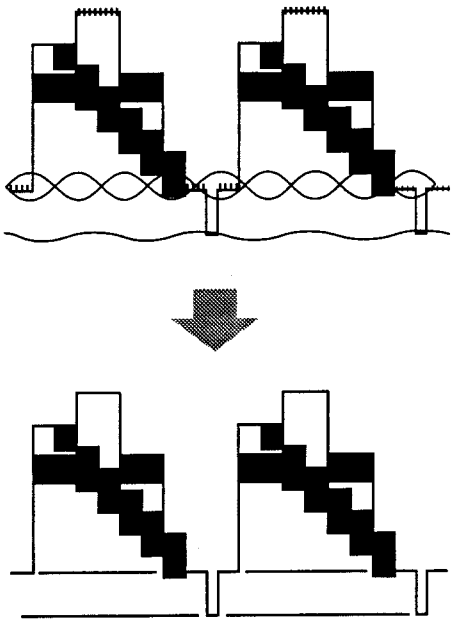
Point de réglage
☐ **VC201: Trimmer**

1. Arrêter l'AFT (le TV est maintenant dans le mode accord fin).
2. Connecter un générateur de signal sur la sortie FI du tuner.
   • Signal: 33,9 MHz (CW) ± 5 kHz.
   • Amplitude du signal: Approx. 90 dB µV.
   • Sonde: Direct (1:1).
3. Connecter un oscilloscope ou un voltmètre digital à la broche 15 de IC201. Régler approximativement le trimmer pour obtenir une tension médiane de l'AFT de 2,5 Vc-c.

1-4. RÉGLAGE DU VCO (Réglage fin)

Point de réglage.
☐ **VC201: Trimmer.**

1. Recevoir un canal VHF haut (F-4).
   • Signal: Supérieur à 55 dB µV, inférieur à 80 dB µV.
2. Connecter un générateur de signal sur la sortie FI du tuner au travers d'une capacitée de 1 pF.
   • Signal: 33,9 MHz (CW) ± 5 kHz.
   • Amplitude du signal: Approx. 90 dB µV.
3. Connecter un oscilloscope à la broche 7 de IC201.
   • Calibre: 0,5 V/cm.
   • Fréquence de balayage: 20 µsec/cm.
   • Type de synchronisation: Horizontale.
   • Sonde: 10:1.
4. Régler VC201 de manière à éliminer le battement du signal de sortie.
   • Réglage: 33,9 MHz ± 25 kHz.

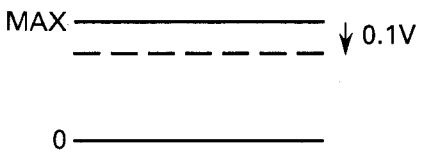


Finalement régler pour annuler le battement.

2. RÉGLAGE DU RF-CAG CUTIN (BUS I²C)

NOTE: Faire ce réglage après celui du + B 110 V.

1. Recevoir une mire de barres de couleur sur le canal F10.
   • Signal: 58 dB µV ± 0,5 dB (50 Ω OPEN).
2. Connecter un oscilloscope à TP201 (sortie CAG du tuner).
3. Appeler le menu de réglage I²C AGC. Positionner la tension au maximum.
4. Diminuer la tension graduellement de 0,1 V par rapport au niveau maximum.



5. Positionner le signal à 63 ÷ 67 dB µV et prener garde de ne pas avoir de bruit.

■ RÉGLAGE DE L'IMAGE

3. FOCUS

1. Connecter le téléviseur au réseau 230 V/50 Hz.
2. Recevoir un signal de mire (color bar) avec un niveau compris entre 60 et 80 dB.
3. Sélectionner un niveau de contraste 10/10, de lumière 5/10 et de couleur 0/10.
4. Ajuster le potentiomètre de focus pour obtenir le maximum de définition.

4. G II

1. Connecter le téléviseur au réseau 230 V/50 Hz.
2. Recevoir une image noir avec un niveau compris entre 60 et 80 dB.
3. Sélectionner un niveau de contraste 10/10, de lumière et de couleur 0/10.
4. Entrer dans le mode service.
5. Appuyer sur CH ∧ jusqu'à l'apparition de GII.
6. Augmenter la valeur de GII jusqu'à l'apparition du retour de ligne, ainsi que l'OSD en position maximum.
7. Ajuster la valeur de GII jusqu'à ce que l'OSD soit à la moitié de sa valeur.
8. Sortir du mode service

■ RÉGLAGE DE L'ALIMENTATION

5. + B

1. Recevoir un signal (échelle des gris).
2. Ajuster le contraste pour obtenir un courant de faisceau de 0,7 mA (0,7 V entre TP601 et TP602).
3. Mettre le volume au minimum.
4. Mesurer la tension sur la cathode de D601, utiliser un voltimètre positionné sur 200 V.
5. Ajuster R716 pour obtenir une tension de 110 V DC ± 0,5 V.

■ MODE DE SERVICE

Cette fonction est prévue pour permettre d'ajuster les réglages qui peuvent changer d'un tube á l'autre ou d'un modèle à l'autre.

Pour entrer en Mode de Service:

1. Injecter un signal de mire par la prise d'antenne.
2. Effectuer une liaison entre les points 3 (masse) et 6 du connecteur (TB) situé sur la platine principale (PWB-A).
3. Appuyer la touche MODE de la télécommande. —SERV— apparaîtra sur l'écran.
4. Retirer la liaison du connecteur service.
5. Sélectionner le réglage souhaité à l'aide des touches Λ CH V .

	Affiché à l'écran	Fonction
	—SERV—	Vous êtes dans le Mode Service.
a.	HOR AM	Amplitude horizontale (ne pas toucher).
b.	BL PHA	Blanking phase (effacement).
c.	VER PO	Positionnement verticale.
d.	VER AM	Amplitude verticale.
e.	P-AMPL	Amplitude parabolique (ne pas toucher).
f.	VER SM	Symétrie verticale.
g.	LUMA-D	Retard luminance.
h.	P-TILT	Ajustement parabolique (ne pas toucher).
i	GII	Réglage GII.
j.	B-B-CO	Correction de la fluctuation (ne pas toucher).
k.	GAIN R	Gain rouge.
l.	GAIN G	Gain vert.
m.	GAIN B	Gain bleu.
n.	AGC	Réglage AGC.
o.	NVM	Accès à la mémoire NVM (ne pas toucher).

6. Pour sélectionner de «a» à «n».
   Le choix de la fonction peut être fait par les boutons Λ V .
   Une barre de couleur apparaît à l'écran pour indiquer la position du réglage.

   –Pour sélectionner «o» (variation de la position de la NVM).

   Pour accéder à la position de mémoire désirée, on doit faire pression sur les touches ΛV selon una position plus grande ou plus petite, respectivement. Rémarquez que pour la indication d'une position de mémoire, on ne doit pas utiliser le système de numération décimal mais le hexadécimal.

   0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, 10, 11, ... 19, 1A, 1B, 1C, 1D, 1E, 1F, 20, 21, ..., 99, 9A, 9B, 9C, 9D, 9E, 9F, A0, A1, ..., B0, ..., C0, ..., D0, ..., E0, ..., F0, F1, F2, F3, F4, F5, F6, F7, F8, F9, FA, FB, FC, FD, FE, FF.

   Depuis la dernière position, FF, on peut passer à la première, 00, en l'augmentant, et depuis la première à la dernière, en la diminuant.

   Une fois sélectionné la position de mémoire à changer, on peut modifier la valeur de ses Bits.

   Pour cela on utilise les touches numériques, numéro 0-7.

   Les touches [0] á [7] modifient les bits 0 à 7, respectivement, commutant sa valeur entre 0 et 1 chaque fois que l'on appuit sur l'une d'elle.

   [0] = 2^0 1, [1] = 2^1 = 2, [2] = 2^2 = 4,.....

7. Les changements introduits sont automatiquement mémorisés.
8. Après avoir terminé les réglages, appuyer sur la touche MODE avant de sortir du Mode Service.

REGLAGE DE LA GEOMETRIE

1. **«BL PHA»**

a) Recevoir un signal de mire (convergence + cercle).
b) Quand le bouton ∧ est pressé, l'image se déplace vers la gauche.
c) Quand le bouton ∨ est pressé, l'image se déplace vers la droite.
d) Ajuster l'image pour la centrer (fig. 1).

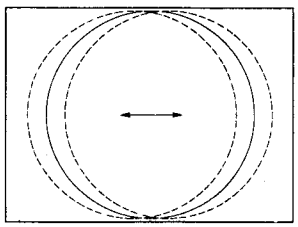


Fig. 1

2. **«VER PO»**

a) Recevoir un signal de mire (convergence + cercle).
b) Quand le bouton ∧ est pressé, l'image se déplace vers le haut.
c) Quand le bouton ∨ est pressé, l'image se déplace vers le bas.
d) Ajuster l'image pour la centrer (fig. 2).

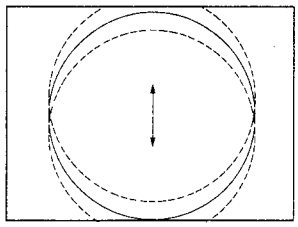


Fig. 2

3. **«VER AM»**

a) Recevoir un signal de mire (convergence + cercle).
b) Quand le bouton ∧ est pressé, l'amplitude verticale augmente.
c) Quand le bouton ∨ est pressé, l'amplitude verticale diminue.
d) Ajuster pour avoir une amplitude légèrement supérieure.

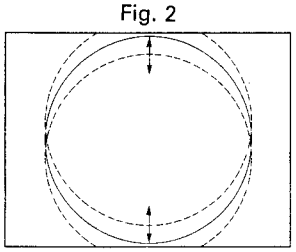


Fig. 3

4. **«VER SM»**

a) Recevoir un signal de mire (convergence + cercle).
b) Quand le bouton ∧ est pressé, la partie haute de l'image diminue et la partie basse augmente.
c) Quand le bouton ∨ est pressé, la partie haute de l'image augmente et la partie basse diminue.
d) Ajuster la Symétrie Verticale pour obtenir une image symétrique entre le haut et le bas (fig. 4).

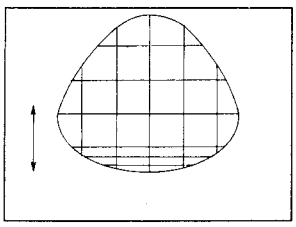


Fig. 4

REGLAGE DE LA COULEUR

5. **«LUMA D» (mode SECAM)**

a) Recevoir un signal de mire (color bar).
b) Quand le bouton ∧ est pressé, la phase luminance est retardée.
c) Quand le bouton ∨ est pressé, la phase chrominance est retardée.
d) Ajuster le retard luminance chrominance.

Les réglages suivants sont nécessaires uniquement quand le tube a été changé.

6. **«GAIN R», «GAIN G», «GAIN B».**

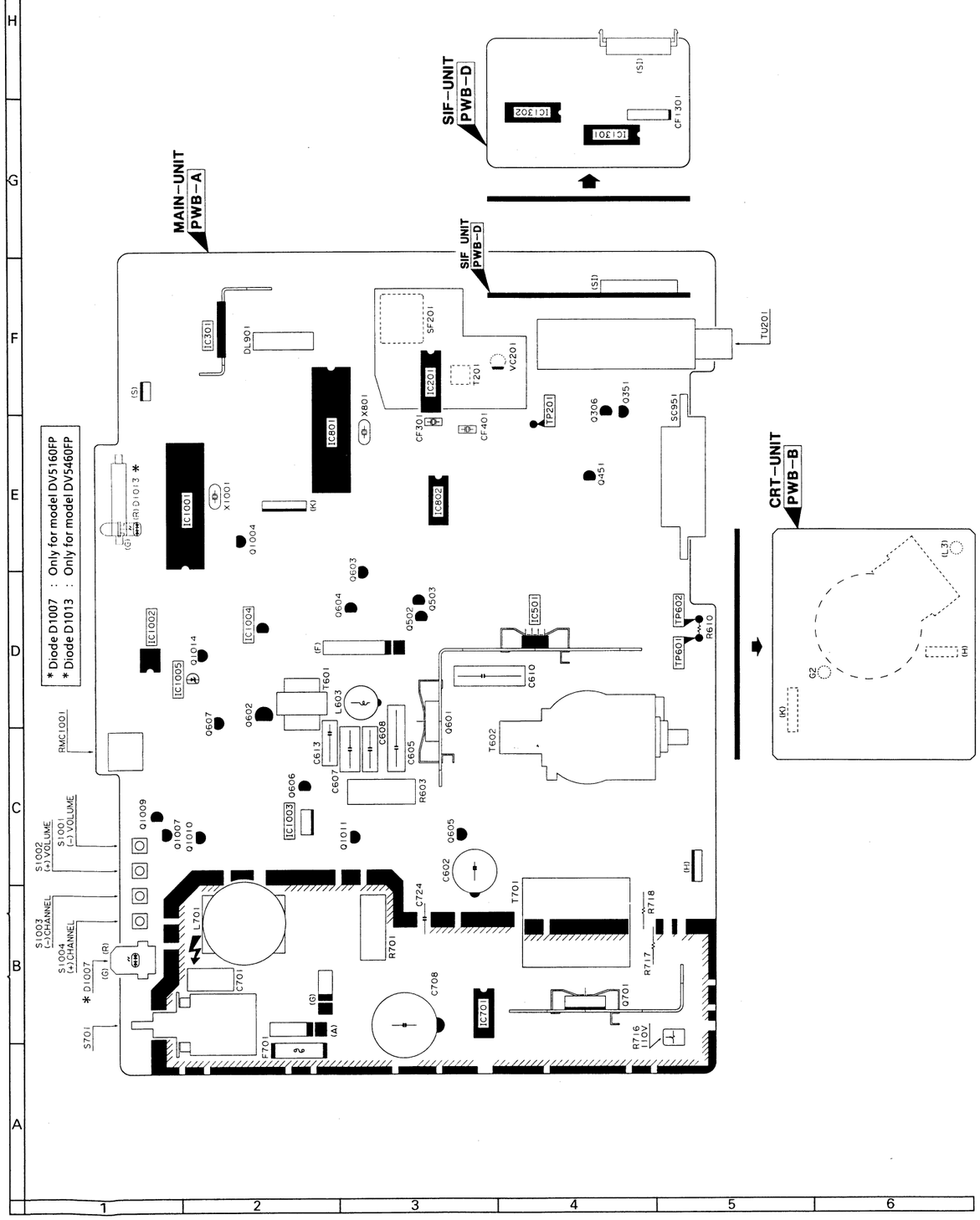
a) Régler les GII.
b) Recevoir une image blanche.
c) Régler la couleur au minimum.
d) Positionner un colorimètre au centre de l'image.
e) Utiliser les boutons de lumière et de contraste pour avoir une luminosité de 120 NITS.
f) Entrer en mode service et sélectionner GAIN R, GAIN G, GAIN B. Ajuster de manière à obtenir les coordonnées de couleur:

$$X = 0{,}290 \div 0{,}015 \qquad Y = 0{,}284 \div 0{,}015$$

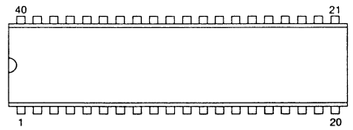
g) Sortir du mode service et controler les coordonnées de couleur X et Y de 20 et 120 NITS. Il sera peut-être nécessaire de répéter cette procédure.

NOTE: Les positions GAIN R modifie la coordonnée X.
GAIN G modifie la coordonnée Y.
GAIN B modifie les coordonnées X et Y.

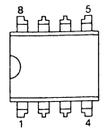
CHASSIS LAYOUT



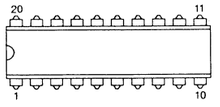
SOLID STATE DEVICE BASE DIAGRAM



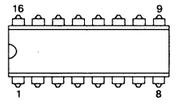
RH-IX1492BMN3
RH-IX1498BMZZ



CH-IX1463CJSH
CH-IX1463CJSI



VHITDA9802/-1



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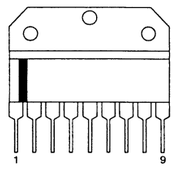

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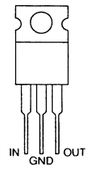

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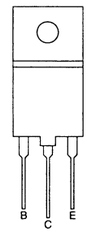
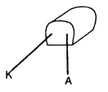
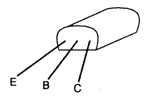


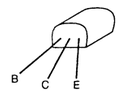
VS2SD1554//2E
RH-TX0125BMZZ



RH-IX0037CEZZ



RH-TX0104BMZZ
RH-TX0102BMZZ
RH-TX0106BMZZ



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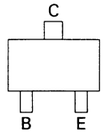
VS2SC2271-D1A
RH-TX0110BMZZ
RH-TX0124BMZZ



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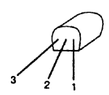
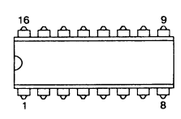
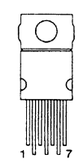
VS2SA1037KQ-1
VS2SC2412KQ-1
(SMD COMPONENNT)



VHIPST529C2-1

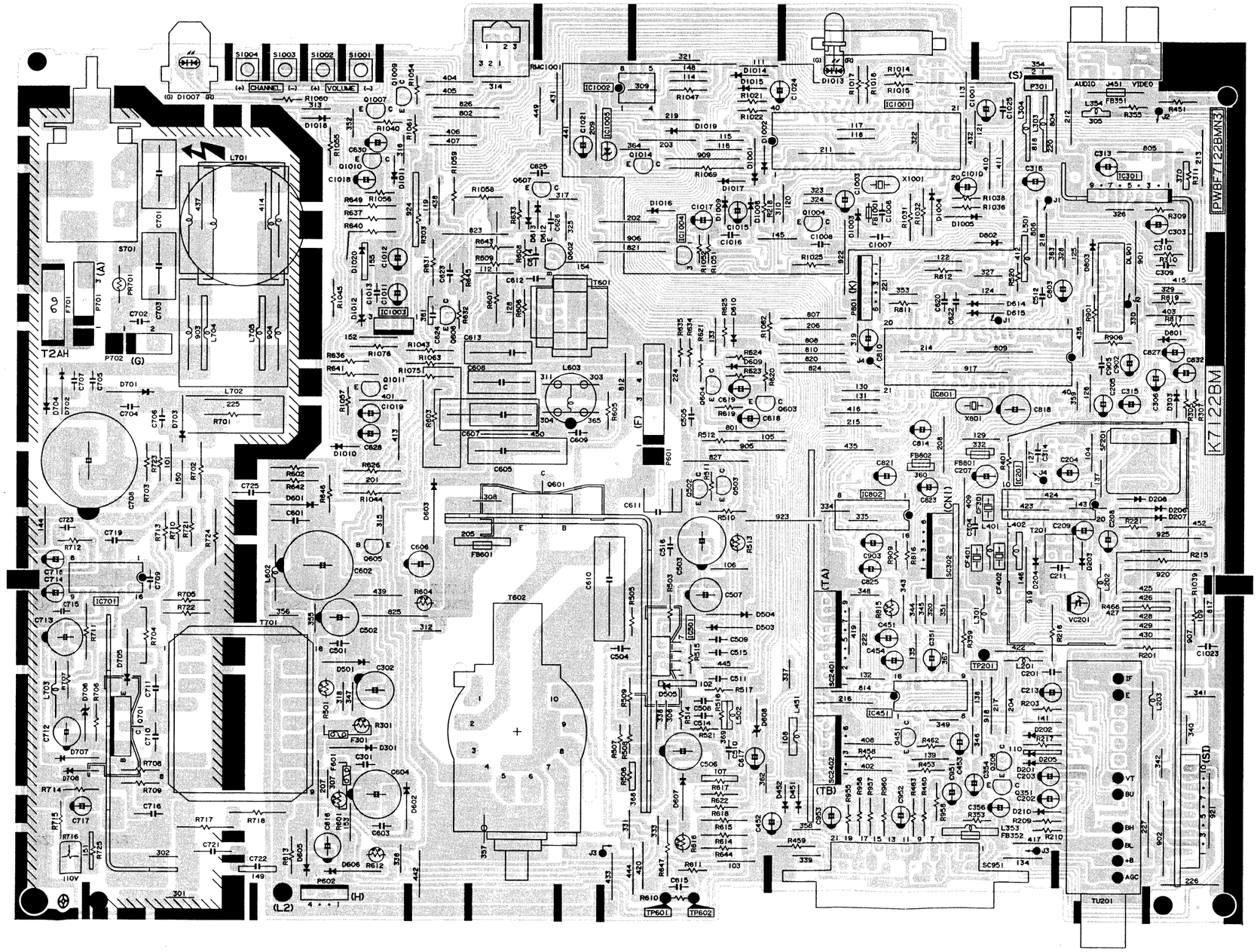


RH-IX1495BMZZ
RH-IX1434BMZZ

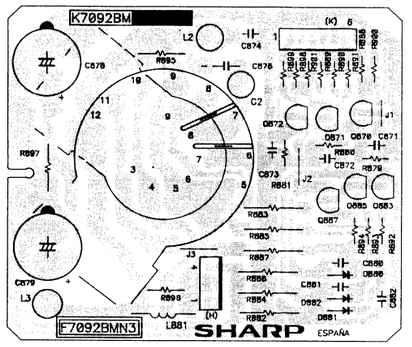


RH-IX1163BMZZ

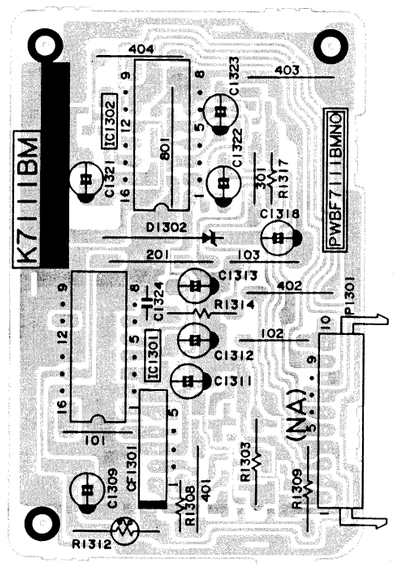
PRINTED WIRING BOARD



PWB-A



PWB-B



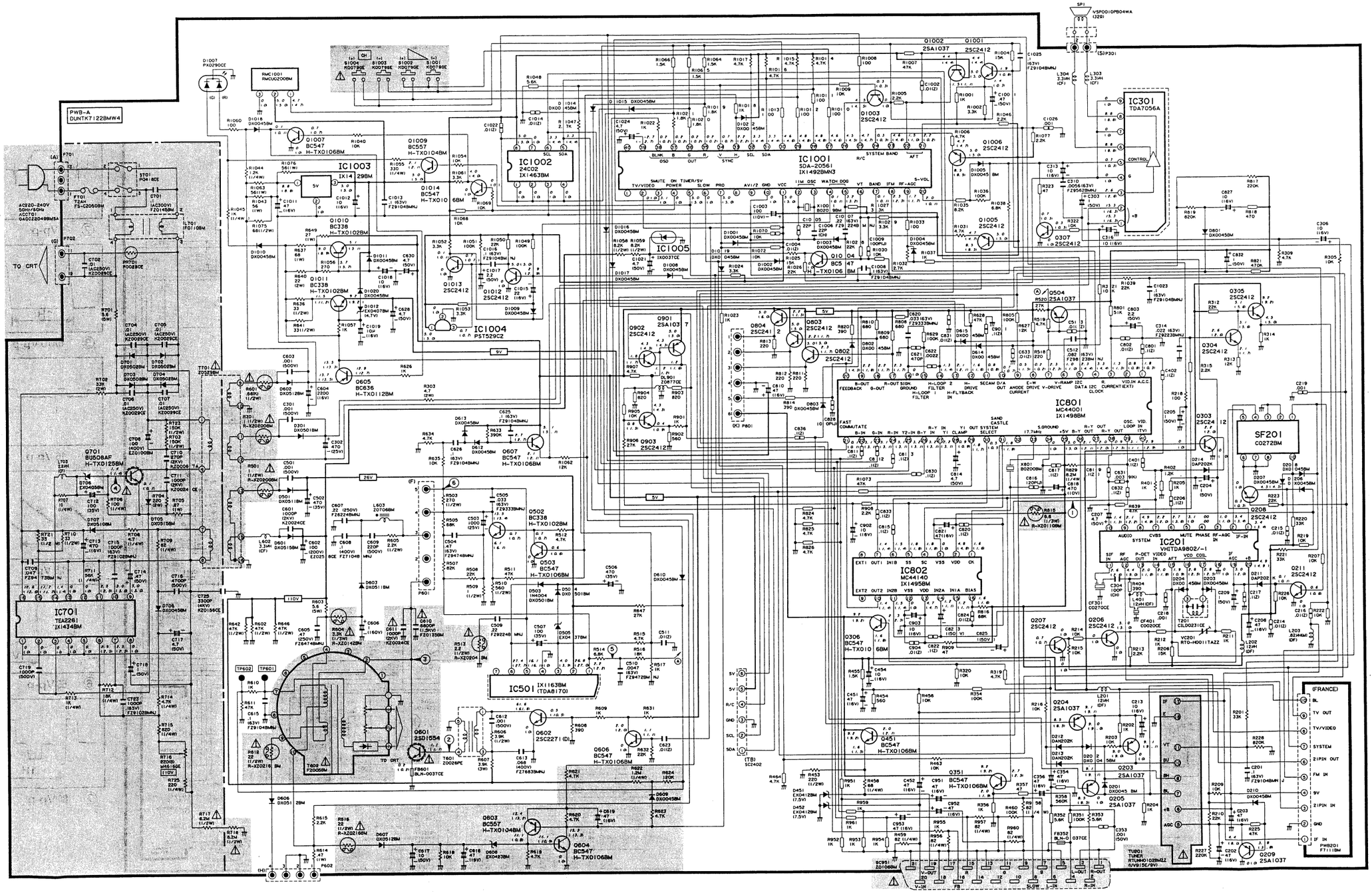
PWB-D

DV-5160FP	DV-5160FP
DV-5460FP	DV-5460FP

SCHEMATIC DIAGRAM

■ Mother Unit (DV-5160FP)

Note: The symbol —□— means a resistor of 1/16 W.



① 2 Vp-p

② 5 Vp-p

③ 1000 Vp-p

④ 16 Vp-p

⑤ 1.5 Vp-p

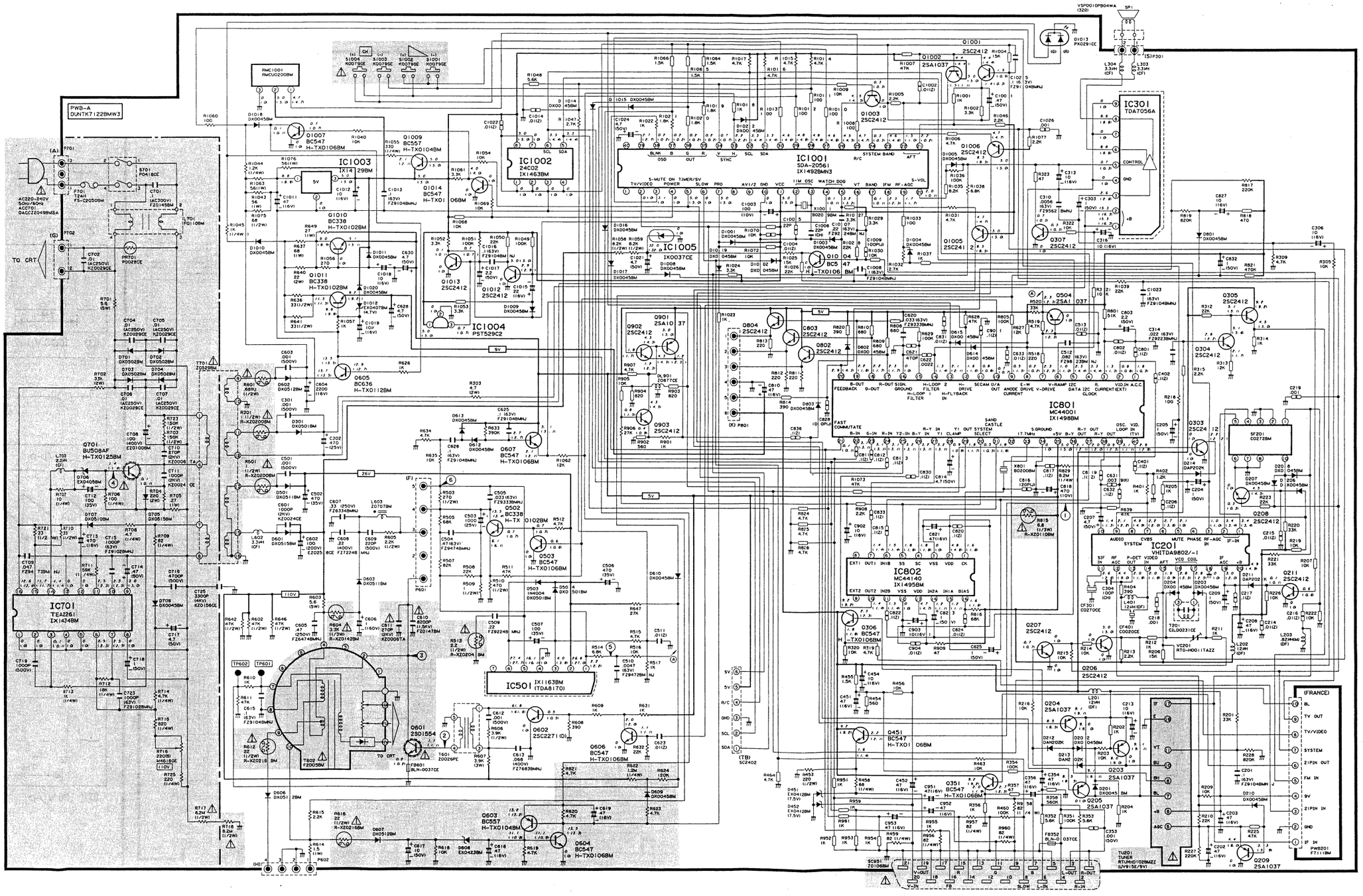
⑥ 55 Vp-p

⑦ 80 Vp-p

SCHEMATIC DIAGRAM

■ Mother Unit (DV-5460FP)

Note: The symbol —□— means a resistor of 1/16 W.



① 2 Vp-p

② 5 Vp-p

③ 1000 Vp-p

④ 16 Vp-p

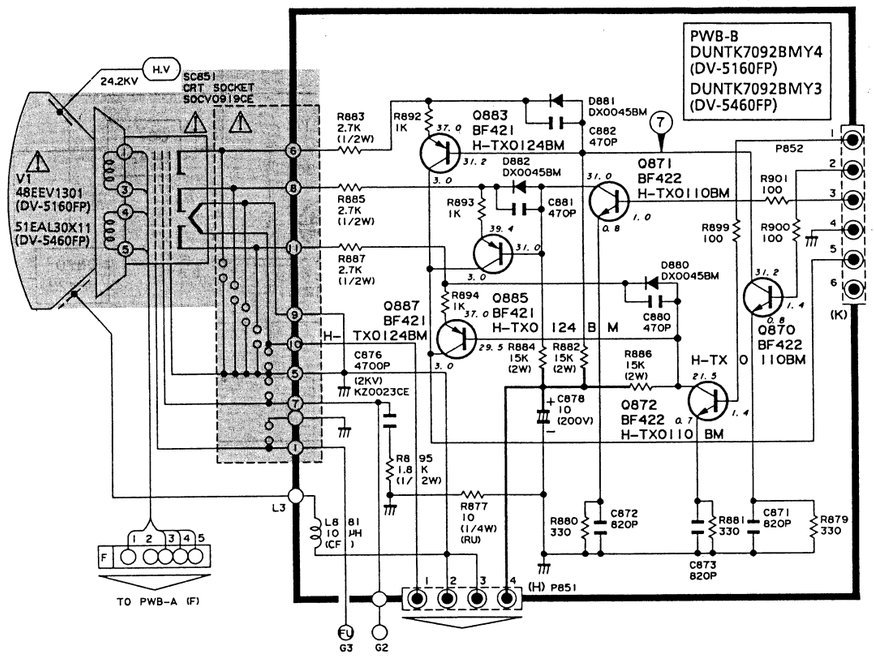
⑤ 1.5 Vp-p

⑥ 55 Vp-p

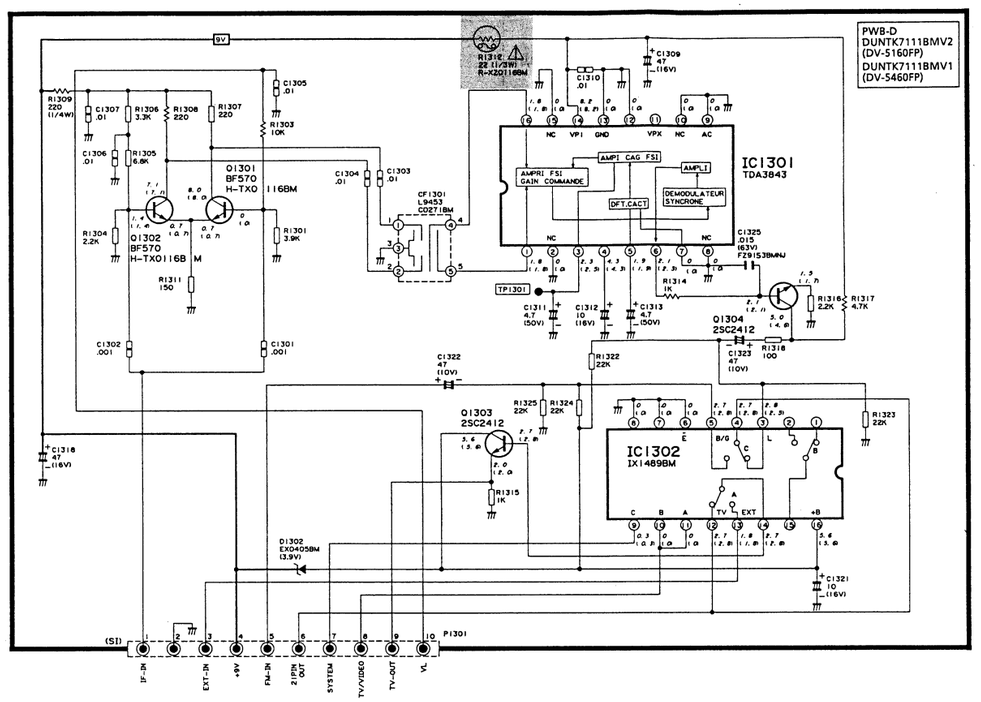
⑦ 80 Vp-p

SCHEMATIC DIAGRAM

■ CRT Socket Unit (DV-5160FP/5460FP)



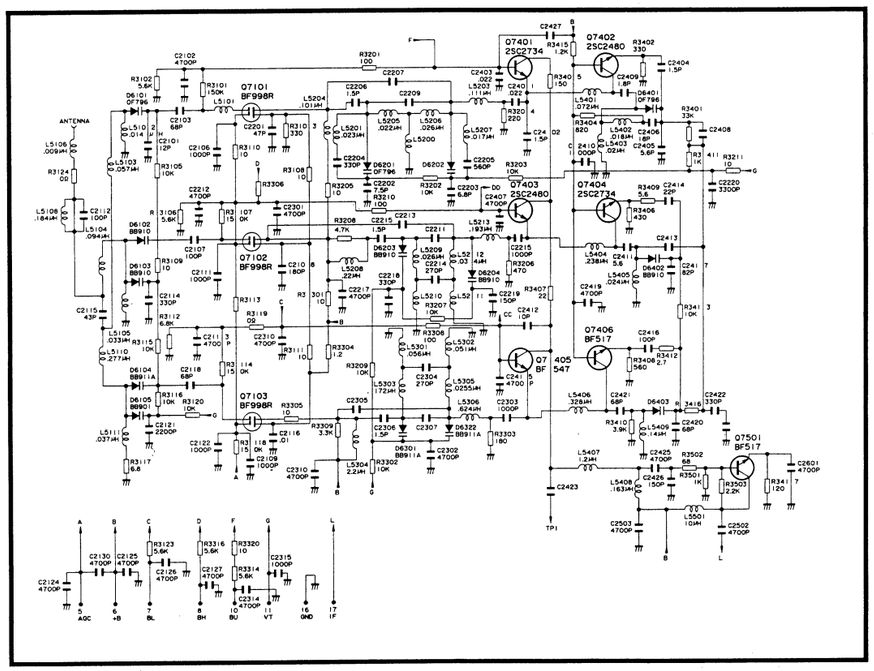
■ IF UNIT (DV-5160FP/5460FP)



■ Tuner (DV-5160FP/5460FP)

NOTE: The parts here shown are supplied as an assembly but not independently.

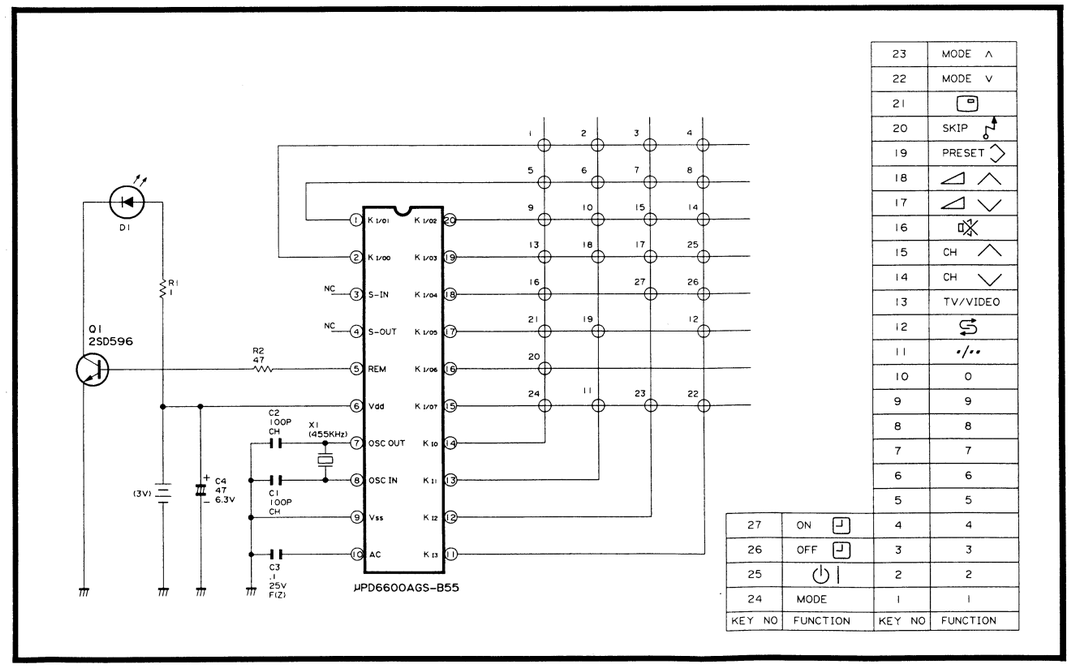
⚠RTUNH0102BMZZ



■ Remote Control Unit (DV-5160FP/5460FP)

NOTE: The parts here shown are supplied as an assembly but not independently.

RRMCG1046BMSA



KEY NO	FUNCTION	KEY NO	FUNCTION
24	MODE	1	1
25	⏻ |	2	2
26	OFF	3	3
27	ON	4	4
		5	5
		6	6
		7	7
		8	8
		9	9
		10	0
		11	·/··
		12	
		13	TV/VIDEO
		14	CH ∨
		15	CH ∧
		16	
		17	◢ ∨
		18	◢ ∧
		19	PRESET
		20	SKIP
		21	
		22	MODE ∨
		23	MODE ∧

DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTE:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "⚠" (▒▒▒▒▒) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (▬ ▬ ▬) IS DIRECTLY CONNECTED WHIT AC MAINS VOLTAGE.
WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER.
BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

NOTE:

1. The unit of resistance "ohm" is omitted (K=1000 ohms, M=Megaohm).
2. All resistors are 1/8 watt, unless otherwise noted.
3. All capacitors are μF, unless otherwise noted (P=PF).

WAVEFORM MEASUREMENT CONDITIONS:

1. Colour bar generator signal of 2.0 V peak to peak applied at IC201 pin (7).
2. Approximately 5.0 V AGC bias.

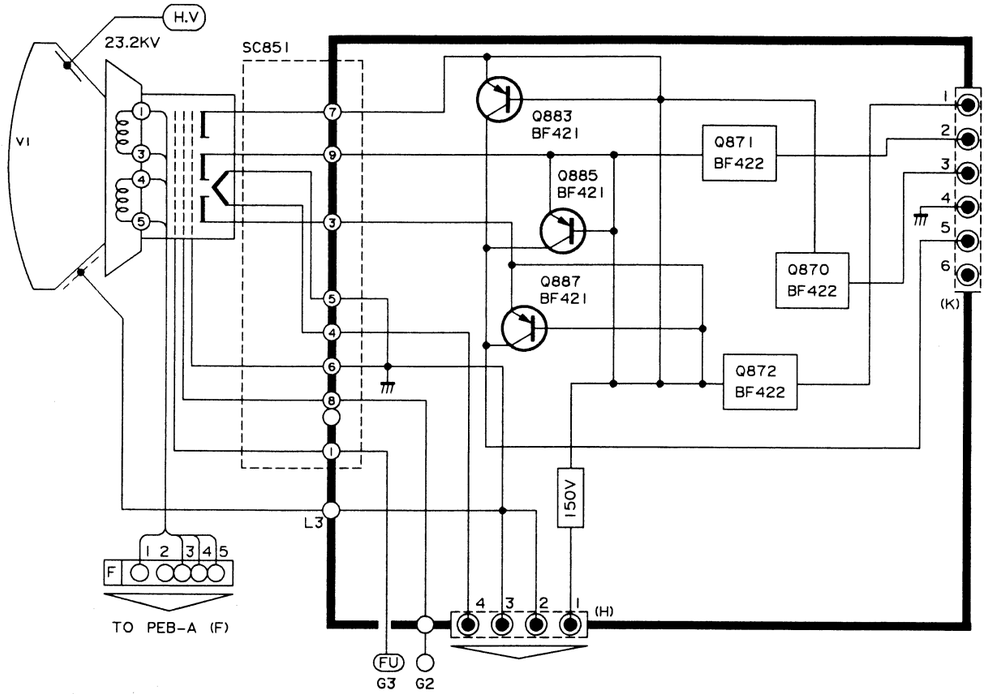
VOLTAGE MEASUREMENT CONDITIONS:

1. Voltages in parenthesis measured with no Signal.
2. Voltages without parenthesis measured with 3mV Colour-Signal.
3. All the voltages in each point are measured with VTVM or High impedance volt meter.

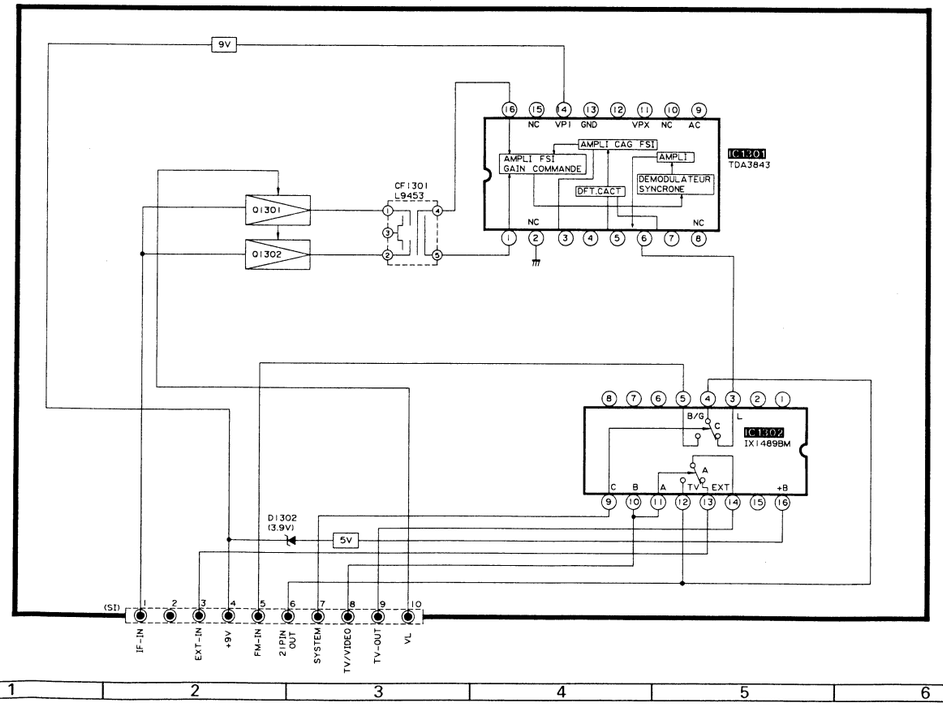
CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

BLOCK DIAGRAM

☐ CRT Socket Unit (DV-5160FP/5460FP)

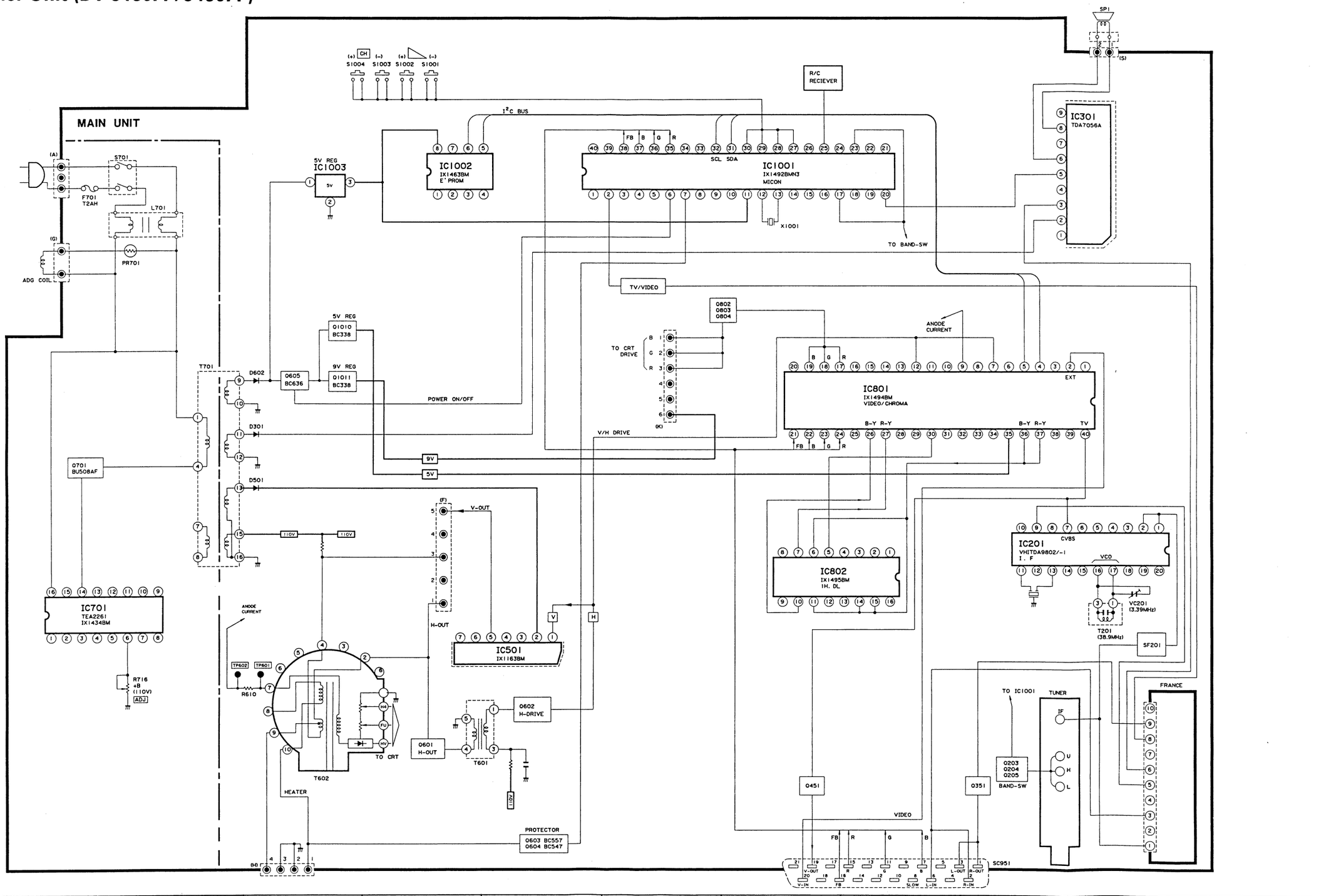


☐ IF Unit (DV-5160FP/5460FP)



BLOCK DIAGRAM

☐ Mother Unit (DV-5160FP/5460FP)



PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOWTO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

MARK ★ : SPARE PARTS-DELIVERY SECTION

LISTE DES PIECES

DETACHEES DE REMPLACEMENT

Les pièces de rechange qui présentent des caractéristiques spéciales de sécurité sont identifiées dans xe manuel par le marque "⚠" dans la liste des pièces détachées de remplacement.
La substitution par des pièces de rechange qui ne présentent pas les mêmes caractéristiques de sécurité que les pèces de rechange recommandées par l'usine. peutîner une électrocution, un incendie ou d'autres dangers.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivants:

1. NUMERO DU MODELE
2. N° DE REF.
3. N° DE LA PIECE
4. DESCRIPTION
5. CODE DE PRIX
6. QUANTITE

★ REMARQUE : PIECES DE RECHANGE - SECTION DE LIVRAISON

Ref. No.	Part No.	★	Description	Code

PICTURE TUBE

⚠ V1	VB48EEV1301*N	S	CRT Ass'y, 48 cm (20") with Deflection Yoke, Purity Magnet and Wedges (DV-5160FP)	CG
⚠ V1	VB51EAL3011*N	S	CRT Ass'y, 51 cm (21") with Deflection Yoke, Purity Magnet and Wedges (DV-5460FP)	CL
	RCiLG0408BMZZ	S	Degaussing (ADG) Coil	AP
	MSPRT0001CEFJ	S	CRT Spring	AB

—— End of PICTURE TUBE ——

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

PWB-A	DUNTK7122CJW4	-	Mother Unit (DV-5160FP)	—
PWB-A	DUNTK7122CJW3	-	Mother Unit (DV-5460FP)	—
PWB-B	DUNTK7092BMY4	-	CRT Socket Unit (DV-5260FP)	—
PWB-B	DUNTK7092BMY3	-	CRT Socket Unit (DV-5460FP)	—
PWB-D	DUNTK7111BMV2	-	SIF Unit (DV-5160FP)	—
PWB-D	DUNTK7111BMV1	-	SIF Unit (DV-5460FP)	—

—— End of P.W.B. ASS'Y ——

Ref. No.	Part No.	★	Description	Code

PWB-A DUNTK7122CJW4/W3
MOTHER UNIT

TUNER

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

⚠ TU201	RTUNH0102BMZZ	S	Tuner, VHF/UHF	BF

INTEGRATED CIRCUITS

IC201	VHiTDA9802/-1	S		AT
IC301	VHiTDA7056A-1	J		AK
IC501	RH-iX1163BMZZ	S	TDA8170	AM
⚠ IC701	RH-iX1434BMZZ	S	TEA2261	AN
IC801	RH-iX1498BMZZ	S		BA
IC802	RH-iX1495BMZZ	S	MC44140	AP
IC1001	RH-iX1492BMN3	S	SDA-20561	AX
IC1002	CH-iX1463CJSi	S	(DV-5160FP)	AL
IC1002	CH-iX1463CJSH	S	(DV-5460FP)	AL
IC1003	RH-iX1429BMZZ	S	L7805	AE
IC1004	VHiPST529C2-1	J		AD
IC1005	RH-iX0037CEZZ	J	Zener IC, UPC574J	AF

TRANSISTORS

Q203	VS2SA1037KQ-1	J	2SA1037	AA
Q204	VS2SA1037KQ-1	J	2SA1037	AA
Q205	VS2SA1037KQ-1	J	2SA1037	AA
Q206	VS2SC2412KQ-1	J	2SC2412	AA
Q207	VS2SC2412KQ-1	J	2SC2412	AA
Q208	VS2SC2412KQ-1	J	2SC2412	AA
Q209	VS2SA1037KQ-1	J	2SA1037	AA
Q211	VS2SC2412KQ-1	J	2SC2412	AA
Q303	VS2SC2412KQ-1	J	2SC2412	AA

Ref. No.	Part No.	★	Description	Code

PWB-A DUNTK7122CJW4/W3
MOTHER UNIT (Continued)

TRANSISTORS (Continued)

Q304	VS2SC2412KQ-1	J	2SC2412	AA
Q305	VS2SC2412KQ-1	J	2SC2412	AA
Q306	RH-TX0106BMZZ	S	BC547	AB
Q307	VS2SC2412KQ-1	J	2SC2412	AA
Q351	RH-TX0106BMZZ	S	BC547	AB
Q451	RH-TX0106BMZZ	S	BC547	AB
Q502	RH-TX0102BMZZ	S	BC338	AB
Q503	RH-TX0106BMZZ	S	BC547	AB
Q504	VS2SA1037KQ-1	J	2SA1037	AA
⚠ Q601	VS2SD1554//2E	J	2SD1554	AL
Q602	VS2SC2271-D1A	J	2SC2271(D)	AD
⚠ Q603	RH-TX0104BMZZ	S	BC557	AA
⚠ Q604	RH-TX0106BMZZ	S	BC547	AB
Q605	RH-TX0112BMZZ	S	BC636	AB
Q606	RH-TX0106BMZZ	S	BC547	AB
Q607	RH-TX0106BMZZ	S	BC547	AB
⚠ Q701	RH-TX0125BMZZ	S	BU508AF	AM
Q802	VS2SC2412KQ-1	J	2SC2412	AA
Q803	VS2SC2412KQ-1	J	2SC2412	AA
Q804	VS2SC2412KQ-1	J	2SC2412	AA
Q901	VS2SA1037KQ-1	J	SA1037	AA
Q902	VS2SC2412KQ-1	J	2SC2412	AA
Q903	VS2SC2412KQ-1	J	2SC2412	AA
Q1001	VS2SC2412KQ-1	J	2SC2412	AA
Q1002	VS2SA1037KQ-1	J	SA1037	AA
Q1003	VS2SC2412KQ-1	J	2SC2412	AA
Q1004	RH-TX0106BMZZ	S	BC547	AB
Q1005	VS2SC2412KQ-1	J	2SC2412	AA
Q1006	VS2SC2412KQ-1	J	2SC2412	AA
Q1007	RH-TX0106BMZZ	S	BC547	AB
Q1009	RH-TX0104BMZZ	S	BC557	AA
Q1010	RH-TX0102BMZZ	S	BC338	AB
Q1011	RH-TX0102BMZZ	S	BC338	AB
Q1012	VS2SC2412KQ-1	J	2SC2412	AA
Q1013	VS2SC2412KQ-1	J	2SC2412	AA
Q1014	RH-TX0106BMZZ	S	BC547	AB

DIODES

D201	RH-DX0045BMZZ	S	1N4148	AA
D202	RH-DX0045BMZZ	S	1N4148	AA
D203	RH-DX0045BMZZ	S	1N4148	AA
D204	RH-DX0045BMZZ	S	1N4148	AA
D206	RH-DX0045BMZZ	S	1N4148	AA
D207	RH-DX0045BMZZ	S	1N4148	AA
D208	RH-DX0045BMZZ	S	1N4148	AA
D210	RH-DX0045BMZZ	S	1N4148	AA
D211	VHDDAP202K/-1	J	DAP202K	AB
D212	VHDDAN202K/-1	J	DAN202K	AB
D213	VHDDAN202K/-1	J	DAN202K	AB
D214	VHDDAP202K/-1	J	DAP202K	AB
D301	RH-DX0501BMZZ	S	1N4004	AA

Ref. No.	Part No.	★	Description	Code

DIODES (Continued)

D451	RH-EX0412BMZZ	S	Zener Diode, 7.5V	AB
D452	RH-EX0412BMZZ	S	Zener Diode, 7.5V	AB
D501	RH-DX0511BMZZ	S	1N4935	AB
D503	RH-DX0501BMZZ	S	1N4004	AA
D504	RH-DX0501BMZZ	S	1N4004	AA
D601	RH-DX0515BMZZ	S	1N4937	AB
D602	RH-DX0512BMZZ	S	1N4936	AB
D603	RH-DX0511BMZZ	S	1N4935	AB
D606	RH-DX0512BMZZ	S	1N4936	AB
⚠ D607	RH-DX0512BMZZ	S	1N4936	AB
⚠ D608	RH-EX0423BMZZ	S	Zener Diode, 22V	AB
⚠ D609	RH-DX0045BMZZ	S	1N4148	AA
D610	RH-DX0045BMZZ	S	1N4148	AA
D612	RH-DX0045BMZZ	S	1N4148	AA
D613	RH-DX0045BMZZ	S	1N4148	AA
D614	RH-DX0045BMZZ	S	1N4148	AA
D615	RH-DX0045BMZZ	S	1N4148	AA
⚠ D701	RH-DX0502BMZZ	S	1N4005	AA
⚠ D702	RH-DX0502BMZZ	S	1N4005	AA
⚠ D703	RH-DX0502BMZZ	S	1N4005	AA
⚠ D704	RH-DX0502BMZZ	S	1N4005	AA
⚠ D705	RH-DX0515BMZZ	S	1N4937	AB
⚠ D706	RH-EX0405BMZZ	S	Zener Diode, 3.9V	AB
⚠ D707	RH-DX0510BMZZ	S	1N4934	AB
⚠ D708	RH-DX0045BMZZ	S	1N4148	AA
D801	RH-DX0045BMZZ	S	1N4148	AA
D802	RH-DX0045BMZZ	S	1N4148	AA
D803	RH-DX0045BMZZ	S	1N4148	AA
D1001	RH-DX0045BMZZ	S	1N4148	AA
D1002	RH-DX0045BMZZ	S	1N4148	AA
D1003	RH-DX0045BMZZ	S	1N4148	AA
D1004	RH-DX0045BMZZ	S	1N4148	AA
D1005	RH-DX0045BMZZ	S	1N4148	AA
D1007	RH-PX0290CEZZ	J	LED, (DV-5160FP)	AC
D1008	RH-DX0045BMZZ	S	1N4148	AA
D1009	RH-DX0045BMZZ	S	1N4148	AA
D1010	RH-DX0045BMZZ	S	1N4148	AA
D1011	RH-DX0045BMZZ	S	1N4148	AA
D1012	RH-EX0407BMZZ	S	Zener Diode, 4.7V	AB
D1013	RH-PX0291CEZZ	J	LED, (DV-5460FP)	AC
D1014	RH-DX0045BMZZ	S	1N4148	AA
D1015	RH-DX0045BMZZ	S	1N4148	AA
D1016	RH-DX0045BMZZ	S	1N4148	AA
D1017	RH-DX0045BMZZ	S	1N4148	AA
D1018	RH-DX0045BMZZ	S	1N4148	AA
D1019	RH-DX0045BMZZ	S	1N4148	AA
D1020	RH-DX0045BMZZ	S	1N4148	AA
D1022	RH-DX0045BMZZ	S	1N4148	AA

PACKAGED CIRCUITS

⚠ PR701	RMPTP0028CEZZ	J	Positive Coefficient Thermistor	AG
X801	RCRSB0200BMZZ	S	Crystal, 17.73 MHz	AG
X1001	RCRSB0209BMZZ	S	Crystal, 11.05 MHz	AG

PWB-A DUNTK7122CJW4/W3

MOTHER UNIT (Continued)

COIL AND TRANSFORMERS

Ref. No.	Part No.	★	Description	Code
CF301	RFiLC0270CEZZ	J	Ceramic Filter	AD
CF401	RFiLC0020CEZZ	J	Ceramic Filter	AE
DL901	RCiLZ0877CEZZ	S	Delay Line	AM
L201	VP-DF120K0000	J	Coil, 12μH	AB
L202	VP-DF120K0000	J	Coil, 12μH	AB
L203	VP-DFR82M0000	J	Coil, 0.82μH	AB
L303	VP-CF3R3K0000	J	Coil, 3.3μH	AB
L304	VP-CF3R3K0000	J	Coil, 3.3μH	AB
L401	VP-DF120K0000	J	Coil, 12μH	AB
L602	VP-CF3R3K0000	J	Coil, 3.3μH	AB
L603	RCiLZ0706BMZZ	S	(DV-5160FP)	AK
L603	RCiLZ0707BMZZ	S	(DV-5460FP)	AH
⚠ L701	RCiLF0110BMZZ	S	Line Filter	AL
⚠ L703	VP-CF2R2K0000	J	Coil, 2.2μH	AB
SF201	RFiLC0272BMZZ	S	Surface Acoustic Wave Filter	AS
T201	RCiLD0231CEZZ	S	Detection Coil	AE
T601	RTRNZ0026PEZZ	R	Horizontal Drive Trans.	AH
⚠ T602	RTRNF2005BMZZ	S	Flyback Trans. (FBT)	BA
⚠ T701	RTRNZ0529BMZZ	S	Power Regulator Trans.	AS

CONTROL

Ref. No.	Part No.	★	Description	Code
⚠ R716	RVR-M4616GEZZ	J	220 (B) 110V Adj.	AB

CAPACITORS

Ref. No.	Part No.	★				Code
VC201	RTO-H0011TAZZ	S	Trimmer Capacitor			AD
C201	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C202	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C203	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C204	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C205	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C206	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C207	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C208	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C209	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C213	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C214	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C215	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C216	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C217	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C218	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C219	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C301	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
C302	VCEAGA1EW477M	J	470	25V	Electrolytic	AD
C303	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C304	VCCCPA1HH101J	J	100p	50V	Ceramic	AA
C306	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C310	RC-FZ9562BMNJ	S	5600p	63V	Mylar	AB

CAPACITORS (Continued)

Ref. No.	Part No.	★				Code
C313	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C314	RC-FZ9223BMNJ	S	0.022	63V	Mylar	AB
C316	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C353	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C354	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C356	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C401	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C402	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C451	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C452	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C454	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C501	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
C502	VCEAGA1VW477M	J	470	35V	Electrolytic	AD
C503	VCEAGA1EW108M	J	1000	25V	Electrolytic	AD
C504	RC-FZ9474BMNJ	S	0.47	63V	Mylar	AD
C505	RC-FZ9333BMNJ	S	0.033	63V	Mylar	AB
C506	VCEAGA1VW477M	J	470	35V	Electrolytic	AD
C507	VCEAGA1VW107M	J	100	35V	Electrolytic	AC
C509	RC-FZ9224BMNJ	S	0.22	63V	Mylar	AC
C510	RC-FZ9472BMNJ	S	4700p	63V	Mylar	AB
C511	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C512	RC-FZ9823BMNJ	S	0.082	63V	Mylar	AB
C513	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C601	RC-KZ0024CEZZ	J	1000p	2kV	Ceramic	AA
C602	RC-EZ0258CEZZ	J	100	200V	Electrolytic	AH
C603	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
C604	VCEAGA1CW228M	J	2200	16V	Electrolytic	AE
C605	RC-FZ6474BMNJ	S	0.47	250V	Mylar	AE
C606	VCEAGA2CW105M	J	1	160V	Electrolytic	AC
C607	RC-FZ6334BMNJ	S	0.33	250V	Mylar	AE
C608	RC-FZ7683BMNJ	S	0.068 (DV-5160FP)	400V	Mylar	AD
C608	RC-FZ7224BMNJ	S	0.22 (DV-5460FP)	400V	Mylar	AE
C609	VCKYPA2HB221K	J	220p	500V	Ceramic	AA
⚠ C610	RC-FZ0135BMZZ	S	6800p (DV-5160FP)	1.5kV	Mylar	AE
⚠ C610	RC-FZ0147BMZZ	S	8200p (DV-5460FP)		Mylar	AE
⚠ C611	RC-KZ0024CEZZ	J	1000p (DV-5160FP)	2kV	Ceramic	AA
⚠ C611	RC-KZ0006TAZZ	J	270p (DV-5460FP)	2kV	Ceramic	AB
C612	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
C613	RC-FZ7683BMNJ	S	0.068	400V	Mylar	AE
C615	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
⚠ C617	VCEAGA1HW106M	J	10	50V	Electrolytic	AC
⚠ C618	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
⚠ C619	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C620	RC-FZ9333BMNJ	S	0.033	63V	Mylar	AB
C621	VCKYTV1HB471K	J	470p	50V	Ceramic	AA
C622	VCKYTV1HB222K	J	2200p	50V	Ceramic	AA
C623	VCKYPA1HF103Z	J	0.01	50V	Ceramic	AA
C625	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C626	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB

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MOTHER UNIT (Continued)

CAPACITORS (Continued)

Ref. No.	Part No.	★	Description			Code
C628	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C630	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C631	VCKYTV1HB392K	J	3900P	50V	Ceramic	AA
C632	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C633	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
⚠ C701	RC-FZ0145BMZZ	S	0.1	AC300V	Mylar	AD
⚠ C702	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
⚠ C704	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
⚠ C705	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
⚠ C706	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
⚠ C707	RC-KZ0029CEZZ	J	0.01	AC250V	Ceramic	AC
⚠ C708	RC-EZ0100BMZZ	S	100	400V	Electrolytic	AM
⚠ C709	RC-FZ9473BMNJ	S	0.047	63V	Mylar	AC
⚠ C710	RC-KZ0006TAZZ	J	270p	2kV	Ceramic	AB
⚠ C711	RC-KZ0024CEZZ	J	1000p	2kV	Ceramic	AA
⚠ C712	VCEAGA1VW107M	J	100	35V	Electrolytic	AC
⚠ C713	VCEAGA1CW477M	J	470	16V	Electrolytic	AC
⚠ C714	VCEAGA1HW474M	J	0.47	50V	Electrolytic	AA
⚠ C715	RC-FZ9102BMNJ	S	1000p	63V	Mylar	AB
⚠ C716	VCKYPA2HB472K	J	4700p	500V	Ceramic	AB
⚠ C717	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
⚠ C718	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
⚠ C719	VCKYPA2HB102K	J	1000p	500V	Ceramic	AA
⚠ C723	RC-FZ9102BMNJ	S	1000p	63V	Mylar	AB
⚠ C725	RC-KZ0156CEZZ	J	3300p	4kV	Ceramic	AG
C801	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C802	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C803	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C810	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C811	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C812	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C813	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C814	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C815	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C816	VCCCTV1HH121J	J	120p	50V	Ceramic	AA
C817	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C818	VCEAGA1AW477M	J	470	10V	Electrolytic	AC
C819	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C820	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C821	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C822	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C823	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C824	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C825	VCEAGA1HW105M	J	1	50V	Electrolytic	AC
C827	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C828	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C830	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C831	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C832	VCEAGA1HW105M	J	1	50V	Electrolytic	AB
C833	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C836	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C901	VCKYTV1HF104Z	J	0.1	50V	Ceramic	AA
C902	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C903	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C904	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C951	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C952	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C953	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1001	VCEAGA1HW474M	J	0.47	50V	Electrolytic	AA
C1002	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1003	VCEAGA1AW107M	J	100	10V	Electrolytic	AB
C1004	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1005	VCCCTV1HH220J	J	22p	50V	Ceramic	AA
C1006	VCCCPA1HH220J	J	22p	50V	Ceramic	AA
C1007	RC-FZ9224BMNJ	S	0.22	63V	Mylar	AC
C1008	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C1009	VCCCTV1HH101J	J	100p	50V	Ceramic	AA
C1011	VCEAGA1CW476M	J	47	16V	Electrolytic	AB
C1012	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1013	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C1014	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1015	VCEAGA1CW226M	J	22	16V	Electrolytic	AB
C1016	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C1017	VCEAGA1HW225M	J	2.2	50V	Electrolytic	AB
C1018	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1019	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1021	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C1022	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1023	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C1024	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C1025	RC-FZ9104BMNJ	S	0.1	63V	Mylar	AB
C1026	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description			Code
R201	VRD-RA2BE333J	J	33k	1/8W	Carbon	AA
R202	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R203	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R204	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R205	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R206	VRS-TV1JD153J	J	15k	1/16W	Metal Oxide	AA
R207	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R209	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R210	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R211	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R212	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R213	VRS-TV1JD222J	J	2.2k	1/16W	Metal Oxide	AA
R214	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R215	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R216	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R218	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R219	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R220	VRS-TV1JD333J	J	33k	1/16W	Metal Oxide	AA
R221	VRD-RA2BE333J	J	33k	1/8W	Carbon	AA
R222	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R223	VRS-TV1JD223J	J	22k	1/16W	Metal Oxide	AA
R225	VRS-TV1JD473J	J	47k	1/16W	Metal Oxide	AA

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MOTHER UNIT (Continued)

RESISTORS (Continued)

Ref. No.	Part No.	★	Description			Code
R226	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R227	VRD-RA2BE224J	J	220k	1/8W	Carbon	AA
R228	VRD-RA2BE824J	J	820k	1/8W	Carbon	AA
⚠ R301	RR-XZ0200BMZZ	S	1	1/2W	Fuse Resistor	AB
R303	VRN-VV3DB4R7J	J	4.7	2W	Metal Film	AB
R305	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R309	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R312	VRS-TV1JD223J	J	22k	1/16W	Metal Oxide	AA
R313	VRS-TV1JD123J	J	12k	1/16W	Metal Oxide	AA
R314	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R315	VRS-TV1JD222J	J	2.2k	1/16W	Metal Oxide	AA
R319	VRS-TV1JD472J	J	4.7k	1/16W	Metal Oxide	AA
R320	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R321	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R322	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R323	VRS-TV1JD470J	J	47	1/16W	Metal Oxide	AA
R351	VRS-TV1JD104J	J	100k	1/16W	Metal Oxide	AA
R352	VRS-TV1JD562J	J	5.6k	1/16W	Metal Oxide	AA
R353	VRD-RA2BE562J	J	5.6k	1/8W	Carbon	AA
R354	VRS-TV1JD104J	J	100k	1/16W	Metal Oxide	AA
R356	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R357	VRS-TV1JD470J	J	47	1/16W	Metal Oxide	AA
R358	VRS-TV1JD564J	J	560k	1/16W	Metal Oxide	AA
R401	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R402	VRS-TV1JD122J	J	1.2k	1/16W	Metal Oxide	AA
R404	VRS-TV1JD391J	J	390	1/16W	Metal Oxide	AA
R453	VRD-RA2HD221J	J	220	1/2W	Carbon	AA
R454	VRS-TV1JD561J	J	560	1/16W	Metal Oxide	AA
R455	VRS-TV1JD152J	J	1.5k	1/16W	Metal Oxide	AA
R456	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R458	VRD-RA2EE680J	J	68	1/4W	Carbon	AA
R459	VRD-RA2EE820J	J	82	1/4W	Carbon	AA
R460	VRD-RA2BE104J	J	100k	1/8W	Carbon	AA
R463	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R464	VRS-TV1JD472J	J	4.7k	1/16W	Metal Oxide	AA
⚠ R501	RR-XZ0200BMZZ	S	1	1/2W	Fuse Resistor	AB
R503	VRD-RA2HD271J	J	270	1/2W	Carbon	AA
R505	VRD-RA2BE683J	J	68k	1/8W	Carbon	AA
R507	VRD-RA2BE823J	J	82k	1/8W	Carbon	AA
R508	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R509	VRD-RA2HD1R0J	J	1	1/2W	Carbon	AA
R510	VRD-RA2HD561J	J	560	1/2W	Carbon	AA
			(DV-5160FP)			
R510	VRD-RA2HD471J	J	470	1/2W	Carbon	AA
			(DV-5460FP)			
R511	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
R512	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R513	RR-XZ0204BMZZ	S	2.2	1/2W	Fuse Resistor	AB
R514	VRD-RA2BE682J	J	6.8k	1/8W	Carbon	AA
R515	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R516	VRD-RA2BE183J	J	18k	1/8W	Carbon	AA
			(DV-5160FP)			

RESISTORS (Continued)

Ref. No.	Part No.	★	Description			Code
R516	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
			(DV-5460FP)			
R517	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R518	VRS-TV1JD221J	J	220	1/16W	Metal Oxide	AA
R519	VRS-TV1JD472J	J	4.7k	1/16W	Metal Oxide	AA
R520	VRD-RA2BE273J	J	27k	1/8W	Carbon	AA
			(DV-5160FP)			
R520	VRD-RA2BE333J	J	33k	1/8W	Carbon	AA
			(DV-5460FP)			
⚠ R601	VRG-RL2HBR68K	S	0.68	1/2W	Fuse Resistor	AC
R602	VRD-RA2HD473J	J	47k	1/2W	Carbon	AA
R603	VRW-KX3HC5R6K	J	5.6	5W	Cement	AD
⚠ R604	RR-XZ0142BMZZ	S	3.3k	1/3W	Fuse Resistor	AB
R605	VRD-RA2HD222J	J	2.2k	1/2W	Carbon	AA
R606	VRD-RA2HD392J	J	3.9k	1/2W	Carbon	AA
R607	VRS-SV3LB392J	J	3.9k	3W	Metal Oxide	AC
R608	VRD-RA2BE391J	J	390	1/8W	Carbon	AA
R609	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R610	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R611	VRD-RA2BE473J	J	47k	1/8W	Carbon	AA
⚠ R612	RR-XZ0216BMZZ	S	22	1/2W	Fuse Resistor	AB
R614	VRN-VV3ABR47J	J	0.47	1W	Metal Film	AA
			(DV-5160FP)			
R614	VRN-VV3AB1R5J	J	1.5	1W	Metal Film	AA
			(DV-5460FP)			
R615	VRD-RA2BE222J	J	2.2k	1/8W	Carbon	AA
⚠ R616	RR-XZ0216BMZZ	S	22	1/2W	Fuse Resistor	AB
⚠ R618	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
⚠ R619	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R620	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R621	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R622	VRD-RA2EE125J	J	1.2M	1/4W	Carbon	AA
⚠ R623	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
⚠ R624	VRD-RA2BE124J	J	120k	1/8W	Carbon	AA
R626	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R627	VRS-TV1JD123J	J	12k	1/16W	Metal Oxide	AA
R628	VRS-TV1JD473J	J	47k	1/16W	Metal Oxide	AA
R629	VRS-TV1JD104J	J	100k	1/16W	Metal Oxide	AA
R631	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R632	VRD-RA2BE223J	J	22k	1/8W	Carbon	AA
R633	VRD-RA2BE394J	J	390k	1/8W	Carbon	AA
R634	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R635	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R636	VRD-RA2HD330J	J	33	1/2W	Carbon	AA
R637	VRS-VV3AB680J	S	68	1W	Metal Oxide	AA
R639	VRS-TV1JD473J	J	47k	1/16W	Metal Oxide	AA
R640	VRS-VV3DB220J	J	22	2W	Metal Oxide	AA
R641	VRD-RA2HD330J	J	33	1/2W	Carbon	AA
R642	VRD-RA2HD473J	J	47k	1/2W	Carbon	AA
R646	VRD-RA2HD473J	J	47k	1/2W	Carbon	AA
R647	VRD-RA2BE273J	J	27k	1/8W	Carbon	AA
R649	VRS-VV3AB270J	J	27	1W	Metal Oxide	AA
⚠ R701	VRW-KX3HC5R6K	J	5.6	5W	Cement	AD
⚠ R702	VRS-VV3DB333J	J	33k	2W	Metal Oxide	AA
⚠ R703	VRD-RA2HD154J	J	150k	1/2W	Carbon	AA

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MOTHER UNIT (Continued)

RESISTORS (Continued)

Ref. No.	Part No.	★	Description	Code
⚠ R704	VRS-VV3DB221J	J	220 2W Metal Oxide	AA
⚠ R705	VRN-VV3ABR27J	J	0.27 1W Metal Film	AA
⚠ R706	VRD-RA2EE101J	J	100 1/4W Carbon	AA
⚠ R707	VRD-RA2EE100J	J	10 1/4W Carbon	AA
⚠ R708	VRD-RA2EE4R7J	J	4.7 1/4W Carbon	AA
⚠ R709	VRD-RA2EE820J	J	82 1/4W Carbon	AA
⚠ R710	VRD-RA2HD330J	J	33 1/2W Carbon	AA
⚠ R711	VRD-RA2EE563J	J	56k 1/4W Carbon	AA
⚠ R712	VRD-RA2EE183J	J	18k 1/4W Carbon	AA
⚠ R713	VRD-RA2EE102J	J	1k 1/4W Carbon	AA
⚠ R714	VRD-RA2EE472J	J	4.7k 1/4W Carbon	AA
⚠ R715	VRD-RA2EE821J	J	820 1/4W Carbon	AA
⚠ R716	*See Control*			
⚠ R717	VRC-UA2HG825K	J	8.2M 1/2W Solid	AA
⚠ R718	VRC-UA2HG825K	J	8.2M 1/2W Solid	AA
⚠ R721	VRD-RA2HD330J	J	33 1/2W Carbon	AA
⚠ R723	VRD-RA2HD154J	J	150k 1/2W Carbon	AA
⚠ R725	VRD-RA2EE221J	J	220 1/4W Carbon	AA
R801	VRS-TV1JD513J	J	51k 1/16W Metal Oxide	AA
R805	VRS-TV1JD104J	J	100k 1/16W Metal Oxide	AA
R808	VRS-TV1JD681J	J	680 1/16W Metal Oxide	AA
R809	VRS-TV1JD681J	J	680 1/16W Metal Oxide	AA
R810	VRS-TV1JD681J	J	680 1/16W Metal Oxide	AA
R811	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R812	VRD-RA2BE221J	J	220 1/8W Carbon	AA
R813	VRS-TV1JD221J	J	220 1/16W Metal Oxide	AA
R814	VRS-TV1JD391J	J	390 1/16W Metal Oxide	AA
⚠ R815	RR-XZ0110BMZZ	S	6.8 1/3W Fuse Resistor	AB
R816	VRD-RA2BE683J	J	68k 1/8W Carbon	AA
R817	VRD-RA2BE224J	J	220k 1/8W Carbon	AA
R818	VRS-TV1JD471J	J	470 1/16W Metal Oxide	AA
R819	VRD-RA2BE824J	J	820k 1/8W Carbon	AA
R820	VRS-TV1JD391J	J	390 1/16W Metal Oxide	AA
R821	VRS-TV1JD474J	J	470k 1/16W Metal Oxide	AA
R824	VRS-TV1JD472J	J	4.7k 1/16W Metal Oxide	AA
R825	VRS-TV1JD472J	J	4.7k 1/16W Metal Oxide	AA
R826	VRS-TV1JD472J	J	4.7k 1/16W Metal Oxide	AA
R829	VRD-RA2EE825J	J	8.2M 1/4W Carbon	AA
R901	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R902	VRS-TV1JD561J	J	560 1/16W Metal Oxide	AA
R903	VRS-TV1JD821J	J	820 1/16W Metal Oxide	AA
R904	VRS-TV1JD821J	J	820 1/16W Metal Oxide	AA
R905	VRS-TV1JD103J	J	10k 1/16W Metal Oxide	AA
R906	VRD-RA2BE273J	J	27k 1/8W Carbon	AA
R907	VRS-TV1JD472J	J	4.7k 1/16W Metal Oxide	AA
R908	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA
R909	VRD-RA2BE470J	J	47 1/8W Carbon	AA
R951	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R952	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R953	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R954	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R955	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R956	VRD-RA2EE820J	J	82 1/4W Carbon	AA
R957	VRD-RA2EE820J	J	82 1/4W Carbon	AA
R958	VRD-RA2EE820J	J	82 1/4W Carbon	AA
R959	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R960	VRD-RA2EE820J	J	82 1/4W Carbon	AA
R961	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R1001	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R1002	VRS-TV1JD332J	J	3.3k 1/16W Metal Oxide	AA
R1004	VRS-TV1JD153J	J	15k 1/16W Metal Oxide	AA
R1005	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA
R1006	VRS-TV1JD472J	J	4.7k 1/16W Metal Oxide	AA
R1007	VRS-TV1JD473J	J	47k 1/16W Metal Oxide	AA
R1008	VRS-TV1JD101J	J	100 1/16W Metal Oxide	AA
R1009	VRS-TV1JD103J	J	10k 1/16W Metal Oxide	AA
R1010	VRS-TV1JD101J	J	100 1/16W Metal Oxide	AA
R1011	VRS-TV1JD101J	J	100 1/16W Metal Oxide	AA
R1012	VRS-TV1JD101J	J	100 1/16W Metal Oxide	AA
R1013	VRS-TV1JD101J	J	100 1/16W Metal Oxide	AA
R1014	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1015	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1016	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1017	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1018	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R1019	VRS-TV1JD182J	J	1.8k 1/16W Metal Oxide	AA
R1020	VRS-TV1JD182J	J	1.8k 1/16W Metal Oxide	AA
R1021	VRD-RA2BE182J	J	1.8k 1/8W Carbon	AA
R1022	VRD-RA2BE102J	J	1k 1/8W Carbon	AA
R1023	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R1024	VRS-TV1JD332J	J	3.3k 1/16W Metal Oxide	AA
R1025	VRD-RA2BE153J	J	15k 1/8W Carbon	AA
R1026	VRS-TV1JD223J	J	22k 1/16W Metal Oxide	AA
R1027	VRS-TV1JD332J	J	3.3k 1/16W Metal Oxide	AA
R1028	VRS-TV1JD223J	J	22k 1/16W Metal Oxide	AA
R1029	VRS-TV1JD332J	J	3.3k 1/16W Metal Oxide	AA
R1030	VRS-TV1JD103J	J	10k 1/16W Metal Oxide	AA
R1031	VRD-RA2BE472J	J	4.7k 1/8W Carbon	AA
R1032	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R1033	VRS-TV1JD101J	J	100 1/16W Metal Oxide	AA
R1035	VRS-TV1JD822J	J	8.2k 1/16W Metal Oxide	AA
R1036	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R1037	VRS-TV1JD102J	J	1k 1/16W Metal Oxide	AA
R1038	VRD-RA2BE682J	J	6.8k 1/8W Carbon	AA
R1039	VRD-RA2BE223J	J	22k 1/8W Carbon	AA
R1040	VRD-RA2BE103J	J	10k 1/8W Carbon	AA
R1043	VRS-VV3AB560J	J	56 1W Metal Oxide	AA
R1044	VRD-RA2EE122J	J	1.2k 1/4W Carbon	AA
R1045	VRD-RA2EE102J	J	1k 1/4W Carbon	AA
R1046	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA
R1047	VRD-RA2BE272J	J	2.7k 1/8W Carbon	AA
R1048	VRS-TV1JD562J	J	5.6k 1/16W Metal Oxide	AA
R1049	VRS-TV1JD104J	J	100k 1/16W Metal Oxide	AA
R1050	VRS-TV1JD223J	J	22k 1/16W Metal Oxide	AA
R1051	VRD-RA2BE104J	J	100k 1/8W Carbon	AA
R1052	VRD-RA2BE332J	J	3.3k 1/8W Carbon	AA
R1053	VRS-TV1JD332J	J	3.3k 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code

PWB-A DUNTK7122CJW4/W3
MOTHER UNIT (Continued)

RESISTORS (Continued)

R1054	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1055	VRD-RA2EE331J	J	330	1/4W	Carbon	AA
R1056	VRD-RA2BE271J	J	270	1/8W	Carbon	AA
R1057	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R1058	VRD-RA2HD822J	J	8.2k	1/2W	Carbon	AA
R1059	VRD-RA2HD822J	J	8.2k	1/2W	Carbon	AA
R1060	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R1061	VRD-RA2BE332J	J	3.3k	1/8W	Carbon	AA
R1062	VRD-RA2BE123J	J	12k	1/8W	Carbon	AA
R1063	VRS-VV3AB560J	J	56	1W	Metal Oxide	AA
R1064	VRS-TV1JD152J	J	1.5k	1/16W	Metal Oxide	AA
R1065	VRS-TV1JD152J	J	1.5k	1/16W	Metal Oxide	AA
R1066	VRS-TV1JD152J	J	1.5k	1/16W	Metal Oxide	AA
R1068	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R1069	VRD-RA2BE103J	J	10k	1/8W	Carbon	AA
R1070	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R1072	VRS-TV1JD103J	J	10k	1/16W	Metal Oxide	AA
R1073	VRS-TV1JD473J	J	47k	1/16W	Metal Oxide	AA
R1075	VRD-RA2HD680J	J	68	1/2W	Carbon	AA
R1076	VRS-VV3AB560J	J	56	1W	Metal Oxide	AA
R1077	VRS-TV1JD222J	J	2.2k	1/16W	Metal Oxide	AA

SWITCH

⚠ S701	QSW-P0418CEZZ	J	Main Power		AK
⚠ S1001	QSW-K0079GEZZ	J	Sound Volume (–)		AB
⚠ S1002	QSW-K0079GEZZ	J	Sound Volume (+)		AB
⚠ S1003	QSW-K0079GEZZ	J	Channel (–)		AB
⚠ S1004	QSW-K0079GEZZ	J	Channel (+)		AB

MISCELLANEOUS PARTS

⚠ F701	QFS-C2050BMZZ	S	Fuse, T2AH, 250V	AD
FH701	QFSHD1009CEZZ	J	Fuse Holder	AA
FH702	QFSHD1010CEZZ	J	Fuse Holder	AA
FB352	RBLN-0037CEZZ	J	Ferrite Bead	AB
FB601	RBLN-0037CEZZ	J	Ferrite Bead	AB
RMC1001	RRMCU0200BMZZ	S	Remote Control Receiver	AN
P301	QPLGN0241CEZZ	J	Plug 2-pin, (S)	AA
P601	QPLGN0505CEZZ	J	Plug 5-pin, (F)	AB
P602	QPLGN0441CEZZ	J	Plug 4-pin, (H)	AB
⚠ P701	QPLGN0304CEZZ	J	Plug 3-pin, (A)	AB
⚠ P702	QPLGN0207CEZZ	J	Plug 2-pin, (G)	AA
P801	QPLGN0641CEZZ	J	Plug 6-pin, (K)	AB
⚠ SC951	QSOCZ0106BMZZ	S	Socket, Euro Scart	AE
SC2402	QSOCN0685CEZZ	J	Socket 6-pin, (TB)	AC
	LHLDP1151CE00	J	LED Holder, (DV-5160FP)	AC
	LHLDF1510BM00	S	LED Holder, (DV-5460FP)	AB

—— End of PWB-A ——

Ref. No.	Part No.	★	Description	Code

PWB-B DUNTK7092BMY4/Y3
CRT SOCKET UNIT

TRANSISTORS

Q870	RH-TX0110BMZZ	S	BF422	AB
Q871	RH-TX0110BMZZ	S	BF422	AB
Q872	RH-TX0110BMZZ	S	BF422	AB
Q883	RH-TX0124BMZZ	S	BF421	AB
Q885	RH-TX0124BMZZ	S	BF421	AB
Q887	RH-TX0124BMZZ	S	BF421	AB

DIODES

D880	RH-DX0045BMZZ	S	1N4148	AA
D881	RH-DX0045BMZZ	S	1N4148	AA
D882	RH-DX0045BMZZ	S	1N4148	AA

COIL

L881	VP-CF100K0000	J	Coil, 10μH	AB

CAPACITORS

C871	VCCSPA1HL821J	J	820p	50V	Ceramic	AA
C872	VCCSPA1HL821J	J	820p	50V	Ceramic	AA
C873	VCCSPA1HL821J	J	820p	50V	Ceramic	AA
C876	RC-KZ0023CEZZ	J	4700p	2kV	Ceramic	AD
C878	VCEAAA2DW106M	J	10	200V	Electrolytic	AC
C880	VCKZPA1HB471K	J	470p	50V	Ceramic	AA
C881	VCKZPA1HB471K	J	470p	50V	Ceramic	AA
C882	VCKZPA1HB471K	J	470p	50V	Ceramic	AA

RESISTORS

R877	VRD-RU2EE100J	J	10	1/4W	Carbon	AA
R879	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R880	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R881	VRD-RA2BE331J	J	330	1/8W	Carbon	AA
R882	VRS-VV3DB153J	J	15k	2W	Metal Oxide	AA
R883	VRD-RA2HD272J	J	2.7k	1/2W	Carbon	AA
R884	VRS-VV3DB153J	J	15k	2W	Metal Oxide	AA
R885	VRD-RA2HD272J	J	2.7k	1/2W	Carbon	AA
R886	VRS-VV3DB153J	J	15k	2W	Metal Oxide	AA
R887	VRD-RA2HD272J	J	2.7k	1/2W	Carbon	AA
R892	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R893	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R894	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA
R895	VRD-RA2HD182J	J	1.8k	1/2W	Carbon	AA
R899	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R900	VRD-RA2BE101J	J	100	1/8W	Carbon	AA
R901	VRD-RA2BE101J	J	100	1/8W	Carbon	AA

MISCELLANEOUS PARTS

CN851	QCNW-2668BMZZ	S	Connecting Wire	AG
⚠ SC851	QSOCV0919CEZZ	J	CRT Socket	AH
P851	QPLGN0441CEZZ	J	Plug 4-pin, (H)	AB
P852	QPLGN0641CEZZ	J	Plug 6-pin, (K)	AB

—— End of PWB-B ——

Ref. No.	Part No.	★	Description	Code

PWB-D DUNTK7111BMV2/V1

SIF UNIT

INTEGRATED CIRCUITS

IC1301	VHiTDA3843/-1	S		AQ
IC1302	RH-iX1489BMZZ	S	HEF4053	AE

TRANSISTORS

Q1301	RH-TX0116BMZZ	S	BF570	AC
Q1302	RH-TX0116BMZZ	S	BF570	AC
Q1303	VS2SC2412KQ-1	J	2SC2412	AA
Q1304	VS2SC2412KQ-1	J	2SC2412	AA

DIODE

D1302	RH-EX0405BMZZ	S	Zener Diode, 3.9V	AB

COIL

CF1301	RFiLC0271BMZZ	S	Ceramic Filter	AQ

CAPACITORS

C1301	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C1302	VCKYTV1HB102K	J	1000p	50V	Ceramic	AA
C1303	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1304	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1305	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1306	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1307	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1309	VCEAGA1CW476M	J	47	16V	ELectrolytic	AB
C1310	VCKYTV1HF103Z	J	0.01	50V	Ceramic	AA
C1311	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C1312	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1313	VCEAGA1HW475M	J	4.7	50V	Electrolytic	AB
C1318	VCEAGA1CW476M	J	47	16V	ELectrolytic	AB
C1321	VCEAGA1CW106M	J	10	16V	Electrolytic	AA
C1322	VCEAGA1AW476M	J	47	10V	Electrolytic	AA
C1323	VCEAGA1AW476M	J	47	10V	Electrolytic	AA
C1325	RC-FZ9153BMNJ	S	0.015	63V	Mylar	AB

RESISTORS

R1301	VRS-TV1JD392J	J	3.9k	1/16W	Metal Oxide	AA
R1303	VRD-RA2BE472J	J	10k	1/8W	Carbon	AA
R1304	VRS-TV1JD222J	J	2.2k	1/16W	Metal Oxide	AA
R1305	VRS-TV1JD682J	J	6.8k	1/16W	Metal Oxide	AA
R1306	VRS-TV1JD332J	J	3.3k	1/16W	Metal Oxide	AA
R1307	VRS-TV1JD221J	J	220	1/16W	Metal Oxide	AA
R1308	VRD-RA2BE221J	J	220	1/8W	Carbon	AA
R1309	VRD-RA2EE221J	J	220	1/4W	Carbon	AA
R1311	VRS-TV1JD151J	J	150	1/16W	Metal Oxide	AA
⚠ R1312	RR-XZ0116BMZZ	S	22	1/3W	Fuse Resistor	AB
R1314	VRD-RA2BE102J	J	1k	1/8W	Carbon	AA

Ref. No.	Part No.	★	Description	Code

RESISTORS (Continued)

R1315	VRS-TV1JD102J	J	1k	1/16W	Metal Oxide	AA
R1316	VRS-TV1JD222J	J	2.2k	1/16W	Metal Oxide	AA
R1317	VRD-RA2BE472J	J	4.7k	1/8W	Carbon	AA
R1318	VRS-TV1JD101J	J	100	1/16W	Metal Oxide	AA
R1322	VRS-TV1JD223J	J	22k	1/16W	Metal Oxide	AA
R1323	VRS-TV1JD223J	J	22k	1/16W	Metal Oxide	AA
R1324	VRS-TV1JD223J	J	22k	1/16W	Metal Oxide	AA
R1325	VRS-TV1JD223J	J	22k	1/16W	Metal Oxide	AA

MISCELLANEOUS PARTS

P1301	QPLGZ1007GEZZ	J	Plug 10-Pin, (SI)	AC

—— End of PWB-D ——

MISCELLANEOUS PARTS

⚠ ACC701	CACCZ2049WEV7	S	AC Cord Ass'y	AL
	LHLDK1500BM00	S	AC Cord Holder (DV-5160FP)	AB
	LHLDK1501BM00	S	AC Cord Holder (DV-5460FP)	AB
	QCNW-2687BMZZ	S	Connecting Wire, (H)	AF
	QCNW-2688BMZZ	S	Connecting Wire, (K)	AG
	QCNW-2689BMZZ	S	Connecting Wire, (S)	AE
SP1	VSP0010PBQ4WA	R	Speaker, 10cm, 16ohm	AR

—— End of MISCELLANEOUS PARTS ——

SUPPLIED ACCESSORIES

ACCESSORIES

RRMCG1046BMSA	S	Infrared Remote Control Unit	AW
TiNS-6245BMN0	S	Operation Manual (DV-5160FP)	AG
TiNS-6244BMN0	S	Operation Manual (DV-5460FP)	AG

ACCESSORIES (*NOT REPLACEMENT ITEM*)

TGAN-1505BMZZ	-	Guarantee Card	—
UBATU0007UMZZ	-	Dry Batteries	—

—— End of SUPPLIED ACCESSORIES ——

PACKING PARTS

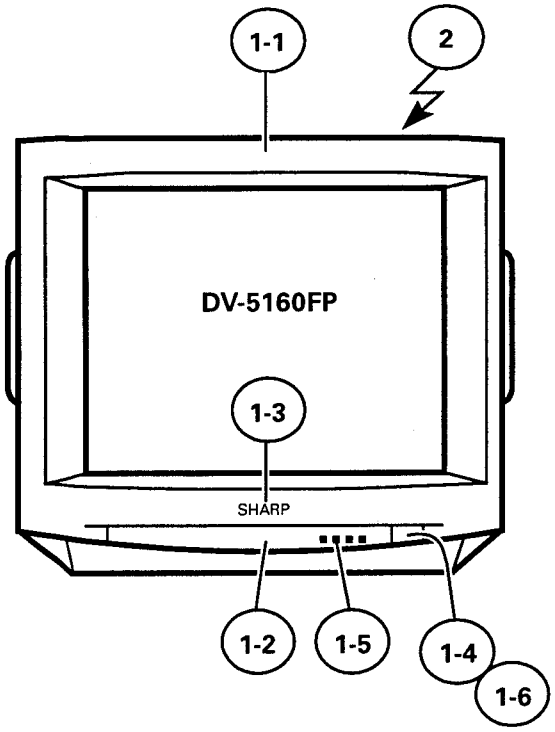
(*NOT REPLACEMENT ITEM*)

SPAKC5205BMZZ	-	Packing Case, (DV-5160FP)	—
SPAKC5204BMZZ	-	Packing Case, (DV-5460FP)	—
SPAKX4009BMZZ	-	Buffer Material, (DV-5160FP)	—
SPAKX4022BMZZ	-	Buffer Material, (DV-5460FP)	—

—— End of PACKING PARTS ——

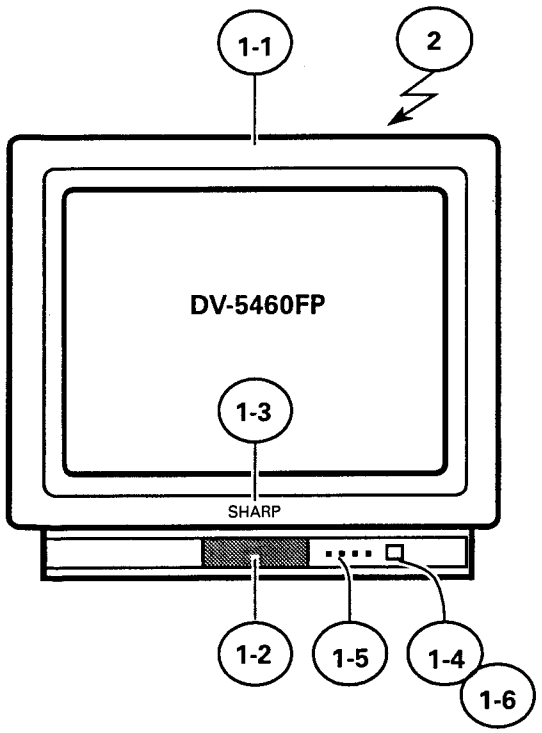
Ref. No.	Part No.	★	Description	Code

CABINET PARTS



MODEL DV-5160FP

1	CCABA1067BMV2	S	Cabinet Ass'y, Front	BG
1-1	Not available	-	Cabinet, Front	—
1-2	GMADT1034BMSA	S	Window Cover	AX
1-3	HBDGB3101CESB	J	Badge, "SHARP"	AG
1-4	JBTN-1010BMSA	S	Button, Power	AD
1-5	JBTN-1009BMSA	S	Buttons, Channel/Volume	AC
1-6	MSPRC0111BMFW	S	Spring, Power Button	AA
2	GCABB1016BMKA	S	Cabinet, Rear	BB
	XTASB40P20000	J	Screw, x6 used fix cabinet front and rear	AA



MODEL DV-5460FP

1	CCABA1074BMV0	S	Cabinet Ass'y, Front	BL
1-1	Not available	-	Cabinet, Front	—
1-2	GMADT1052BMSA	S	Window Cover	AH
1-3	HBDGB3505BMSA	S	Badge, "SHARP"	AF
1-4	JBTN-1022BMSA	S	Button, Power	AD
1-5	JBTN-1021BMSA	S	Buttons, Channel/Volume	AC
1-6	MSPRC0106BMFW	S	Spring, Power Button	AA
2	GCABB1038BMKA	S	Cabinet, Rear	BE
	XTASB40P20000	J	Screw, x4 used fix cabinet front and rear	AA

—— End of CABINET PARTS ——

DV-5160FP
DV-5460FP

SHARP

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